FlexHD – preclinical studies:

1: Nilsen TJ, Dasgupta A, Huang YC, Wilson H, Chnari E. Do Processing Methods Make a Difference in Acellular Dermal Matrix Properties? Aesthet Surg J. 2016 Nov;36(suppl 2):S7-S22. doi: 10.1093/asj/sjw163. Epub 2016 Oct 3. PMID: 27697888.

2: Eberli D, Rodriguez S, Atala A, Yoo JJ. In vivo evaluation of acellular human dermis for abdominal wall repair. J Biomed Mater Res A. 2010 Jun 15;93(4):1527-38. doi: 10.1002/jbm.a.32636. PMID: 20014294.

3: Fahrenbach EN, Qi C, Ibrahim O, Kim JY, Alam M. Resistance of acellular dermal matrix materials to microbial penetration. JAMA Dermatol. 2013 May;149(5):571-5. doi: 10.1001/jamadermatol.2013.1741. PMID: 23426233.

4: Annor AH, Tang ME, Pui CL, Ebersole GC, Frisella MM, Matthews BD, Deeken CR. Effect of enzymatic degradation on the mechanical properties of biological scaffold materials. Surg Endosc. 2012 Oct;26(10):2767-78. doi: 10.1007/s00464-012-2277-5. Epub 2012 Apr 27. PMID: 22538685; PMCID: PMC3702043.

5: Orenstein S, Qiao Y, Kaur M, Klueh U, Kreutzer D, Novitsky Y. In vitro activation of human peripheral blood mononuclear cells induced by human biologic meshes. J Surg Res. 2010 Jan;158(1):10-4. doi: 10.1016/j.jss.2009.05.033. PMID: 19853260.

6: Orenstein SB, Qiao Y, Kaur M, Klueh U, Kreutzer DL, Novitsky YW. Human monocyte activation by biologic and biodegradable meshes in vitro. Surg Endosc. 2010 Apr;24(4):805-11. doi: 10.1007/s00464-009-0664-3. Epub 2009 Aug 21. PMID: 19697086.

7: Nyame TT, Lemon KP, Kolter R, Liao EC. High-throughput assay for bacterial adhesion on acellular dermal matrices and synthetic surgical materials. Plast Reconstr Surg. 2011 Nov;128(5):1061-8. doi: 10.1097/PRS.0b013e31822b65af. PMID: 22030489; PMCID: PMC3766523.

8: Pui CL, Tang ME, Annor AH, Ebersole GC, Frisella MM, Matthews BD, Deeken CR. Effect of repetitive loading on the mechanical properties of biological scaffold materials. J Am Coll Surg. 2012 Aug;215(2):216-28. doi: 10.1016/j.jamcollsurg.2012.03.006. Epub 2012 Apr 21. PMID: 22521670.

9. Phipps A, Vaynshteyn E, Kowalski JB, Ngo MD, Merritt K, Osborne J, Chnari E. Chemical sterilization of allograft dermal tissues. Cell Tissue Bank. 2017 Dec;18(4):573-584. doi: 10.1007/s10561-017-9647-0. Epub 2017 Aug 10. PMID: 28799106.